

Date Created

11/15/2013

Material Safety Data Sheet

		Date Updated	11/15/201
		Version	1.1
Section 1- Product Information		<u></u>	
Product Name: Product Cat. No.:	Insulin-like growth factor-binding protein 2 (IGF-BP-2), Z03201-10; Z03201-50; Z03201-1	His, Human	
Section 2- Composition / Information	on on Ingredients		
Substance / Preparation:	Substance		
Ingredient Name	Insulin-like growth factor-binding protein 2 (IGF-BP-2),	His, Human	
CAS No.	No		
SARA 313	No		
Section 3- Hazards Identification			
HMIS Rating			
Health	0		
Flammability	0		
Reactivity	0		
NFPA Rating			
Health	0		
Flammability	0		
Reactivity	0		
or additional information on toxicity, please ref	er to Section 11.		
Section 4- First Aid Measures			
Oral Exposure	If swallowed, wash out mouth with water provided	person is consc	ious. Call
	physician.		
Inhalation Exposure	If inhaled, remove to fresh air. If breathing becomes of	difficult, call a phys	sician.
Dermal Exposure	In case of skin contact, flush with copious amounts of		
	Remove contaminated clothing and shoes. Call a phy		
Eye Exposure	In case of contact with eyes, flush with copious and		at least 1
, ,	minutes. Assure adequate flushing by separating the		
	physician.	,	0
Section 5- Fire Fighting Measures			
Flash Point	Not available		
Autoignition Temp	Not available		
Flammability	Not available		
	NUL AVAIIADIE		
Extinguishing Media	We take a new Oak and districtly day of an inclusion of		
Suitable	Water spray. Carbon dioxide, dry chemical powder, or	appropriate toam.	
Fire Fighting			
Protective Equipment	Wear self-contained breathing apparatus and protecti	ive clothing to pre-	vent contac
	with skin and eyes.		
Specific Hazard(s)	Emits toxic fumes under fire conditions		
Section 6- Accidental Release Meas	sures		
Procedure to Be Followed in Case of	Evacuate area		
Leak or Spill			
Procedure(s) of Personal Precaution(s)	Wear respirator, chemical safety goggles, rubber boots		
Methods for Cleaning Up	Sweep up, place in a bag and hold for waste disposal.		t. Ventilat
	area and wash spill site after material pickup is comple	ete.	
Section 7- Handling and Storage			
Handling			
User Exposure	Avoid inhalation. Avoid contact with eyes, skin, and	clothing. Avoid p	orolonged o
	repeated exposure.	•	-
Storage	Lyophilized recombinant Human Insulin-like growth fac	ctor-binding proteir	ו 2
-	(IGF-BP-2) remains stable up to 6 months at -80°C fro	m date of receipt.	Upon
	reconstitution, Human Insulin-like growth factor-binding	g protein 2 (IGF-BI	P-2) should
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be stable up to 1 week at 4°C or up to 2 months at -20°C.

Section 8- Exposure Controls/Personal Protection Equipment

Engineering Controls	Mechanical exhaust required
Personal Protective Equipment	
Respiratory	Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) respirator.
Other	Wear appropriate government approved respirator, chemical-resistant gloves, safety goggles, other protective clothing.
General Hygiene Measures	Wash thoroughly after handling

Section 9- Physical and Chemical Properties

Appearance	•
Physical State	Lyophilized powder
Property	
Molecular Weight	6~20 kDa
pH	Not available
BP/BP Range	Not available
MP/MP Range	Not available
Freezing Point	Not available
Vapor Pressure	Not available
Vapor Density	Not available
Saturated Vapor Conc.	Not available
SG/Density	Not available
Bulk Density	Not available
Odor Threshold	Not available
Volatile%	Not available
VOC Content	Not available
Water Content	Not available
Solvent Content	Not available
Evaporation Rate	Not available
Viscosity	Not available
Surface Tension	Not available
Partition Coefficient	Not available
Decomposition Temp.	Not available
Flash Point	Not available
Explosion Limits	Not available
Flammability	Not available
Autoignition Temp	Not available
Refractive Index	Not available
Optical Rotation	Not available
Miscellaneous Data	Not available
Solubility	Not available
Section 10- Stability and Reactivity	
Stability	
Stable	Stable
Hazardous Decomposition Products	
Hazardous Decomposition Products	Nature of decomposition products not known
Section 11- Toxicological Information	n
Route of Exposure	
Skin Contact	May cause skin irritation
Skin Absorption	May be harmful if absorbed through the skin
Inhalation	Material may be irritating to mucous membranes and upper respiratory tract, May
	be harmful if inhaled.
Ingestion	May be harmful if swallowed
Conditions Aggravated by Exposure	The toxicological properties have not been thoroughly investigated.

Section 12- Ecological Information



Eco-toxicity Toxicity of The Products of Biodegradation	The product itself and its products of degradation are not toxic.	
Section 13- Disposal Consideration	IS	
Appropriate Method of Disposal of Substance or Preparation	Waste must be disposed of in accordance with federal, state and local environmental control regulations.	
Section 14- Transport Information		
DOT		
Proper Shipping Name	None	
Non-Hazardous for Transport	This substance is considered to be non-hazardous for transport.	
IATA		
Non-Hazardous for Air Transport	Non-hazardous for air transport	
Section 15- Regulatory Information		
United States Regulatory information		
SARA Listed	No	
Canada Regulatory Information		
WHMIS Classification	This product has been classified in accordance with the hazard criteria of the CPR,	
	and the MSDS contains all the information required by the CPR.	
DSL	No	
NDSL	No	
Section 16- Other Information		

Disclaimer

For *in vitro* research use only.

GenScript corporation MSDS is believed to be correct but only used as a guide for experienced personnel, GenScript shall not be held liable for any damage resulting from the handling or from contact with the above product.

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